3

Original / Duplicate / Triplicate

YNK-DBR No.....
Date.....

CONTRACT CERTIFICATE

(For Other Works)

AEE, YSTSD
SBR No: 2021-22
Date: 21-10-2021

No. 1st & Part bill

Division: Yelahanka. Sub Division: Yelahanka

Bill Received No..... Dated..... Cash Book Voucher No..... dated.....

Scheduled Docket No.....

Name of Work : Improvements to roads and drains at Bettahalli Colony in ward no:03 of Yelahanka satellite town sub division

Job Code No: 003-21-000020 **Est. cost: 100.00 lakhs**

Name of Contractor and Full Address : Sri .Ravi Kumar Gangadhar , Bangalore.

Work Order No: BBMP/EE/YNK.D/EPMT-05/W.O/212/2020-21 **Dated : 12-01-2021**

Certified that the measurements were taken by me on 12.10.2021 ...and recorded in pages 493447 to 493450/2 of measurement Book No 4935 and that the work is satisfactorily executed.

Ravi Kumar. G
Contractor

Officer-in-charge of work

Certified that the measurements were taken by me on..... and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Sub Division Officer

If Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being.....percent Rs.....
3) Deduct amount to be held in Balance
4) Deduct Payment :
   a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated..... S.D No.....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied.
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments
7) Net amount due to or from contractor

Unadjusted items

8) Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied

Gross Amt =Rs	69,23,857-00
FSD =Rs	—
CGST = Rs	61,881-00
SGST = Rs	61,881-00
IT = Rs	69,239-00
LC = Rs	69,239-00
CBF = Rs	69,239-00
Royalty =Rs	1,25,975-00
T.D. = Rs	3,94,614-00
Net Amt Rs	65,29,243-00

Ravi Kumar. G
Contractor's Signature

Received Rs.....(in words)
By Cash and by adjustment of Payment as per memorandum

(For use in the Office)

Witnesses :

1.

2.

Dated..... Signature of Contractor

Audited & Admitted for Rs. 69,23,857-00
Sixty nine lakh twenty three thousand Eight hundred fifty Seven
Rs. 65,29,243-00 by Cheque
and Rs. 3,94,614-00 by Adjustment

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Accts. Supdt.
Yelahanka Division
BBMP

Exe. Engineer
Yelahanka Division
BBMP

Initials of Officer Making Payment

Executive Engineer

Name of Work :-Improvements to roads and drains at Bettahalli Colony in ward no:03 of Yelahanka satellite town sub division

ABSTRACT

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.	Cum	693.05	67.11	46512.00			693.05	67.11	46512.00	693.05	46512.00
	Above 125%	Cum	319.60	67.11	21450.00	-	-	319.59	67.11	21448.00	319.59	21448.00
2	KSRRB 300-46. Scarifying by mechanical means stone metal crust 50mm to 100mm thick by along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM complete as per specifications.(P.No-146,I No-19.52)	Sqm	0.00	43.39	0.00			0.00	43.39	0.00	0.00	0.00
3	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications	Cum	656.58	2093.87	1374801.00			656.58	2093.87	1374799.00	656.58	1374799.00
4	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications	Cum	984.88	2100.54	2068776.00			984.87	2100.54	2068772.00	984.87	2068772.00
5	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	4377.23	31.15	136360.00			4377.22	31.15	136360.00	4377.22	136360.00
6	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per	Sqm	4377.23	13.35	58440.00			0.00	13.35	0.00	0.00	0.00
7	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	218.86	6725.52	1471958.00			0.00	6725.52	0.00	0.00	0.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
8	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)	Cum	175.09	7911.53	1385223.00			0.00	7911.53	0.00	0.00	0.00
9	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	139.23	477.30	66454.00			0.00	477.30	0.00	0.00	0.00
10	KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendations	Nos	54.00	374.94	20247.00			0.00	374.94	0.00	0.00	0.00
11	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications	Cum	45.99	5690.83	261743.00			45.99	5690.83	261743.00	45.99	261743.00
	Above 125%	Cum	81.59	5690.83	464301.00	-	-	81.56	5690.83	464141.00	81.56	464141.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
12	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction,	Cum	45.99	5469.42	251560.00			45.99	5469.42	251560.00	45.99	251560.00
	Above 125%	Cum	56.91	5469.42	311279.00	-	-	56.90	5469.42	311208.00	56.90	311208.00
	EIRL											
E1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods	Cum	148.05	225.94	33450.00			147.96	225.94	33430.00	147.96	33430.00
E2	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.	Cum	48.09	7420.17	356828.00			48.09	7420.17	356814.00	48.09	356814.00
E3	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.	Tn	2.89	77654.86	224061.00			2.89	77654.86	224052.00	2.89	224052.00
E4	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete As per Engineer incharge. (Data Rate)	Sqm	123.38	2452.68	302600.00			123.30	2452.68	302416.00	123.30	302416.00
E5	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS	Cum	5.69	6031.81	34322.00			5.69	6031.81	34309.00	5.69	34309.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
E6	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 300mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge.	Nos	632.00	453.89	286858.00	-	-	632.00	453.89	286858.00	632.00	286858.00
E7	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification	Sqm	85.35	89.00	7596.00	-	-	85.32	89.00	7594.00	85.32	7594.00
	Total				9184819.00					6182016.00		6182016.00
	GST 12%				1102178.28					741841.92		741841.92
	Grand Total				10286997.28					6923857.92		6923857.92

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Ravi Kumar. G
Contractor

Consultant

Ass Engineer

Ass Executive Engineer

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